

15. The improved method of claim 14 in which the amount of ester is from 0.1-5% by weight of said resin.

16. The improved method of claim 15 wherein the amount of said ester is 0.5-2% by weight of said resin.

17. The improved method of claim 15 in which the ^{or} methyl of said metal containing stabilizer is selected from the group consisting of tin, antimony, zinc, magnesium, alkaline earth metals and alkali metals.

Cont'd
18. The improved method of claim 14 wherein said ester is of the formula RCOO-R'SH wherein R' is a hydroxyl substituted or unsubstituted 1 to 18 carbon atom alkylene group and R is a substituted or unsubstituted alkyl, alkenyl, aryl or aralkyl group of at least two carbon atoms in which said substituent is $-\text{COOR''}$, where R'' is H or $-\text{R'SH}$.

19. The improved method of claim 18 in which R contains 8 to 18 carbon atoms.

20. The improved method of claim 19 in which RCOO- is a fatty acid residue of caprylic, perlargonic, capric, undecanoic, lauric, myristic, palmitic or stearic acid.

21. The improved method of claim 19 in which RCOO- is derived from an aliphatic or aromatic diacid.

22. The improved method of claim 21 wherein said diacid is selected from the group consisting of succinic, adipic or phthalic acid.

23. The improved method of claim 18 in which R'SH is derived from a 2 to 6 carbon atom mercapto alkanol.

24. The improved method of claim 23 in which said mercapto alkanol is selected from the group consisting of 1-mercapto-ethanol-2, 1-mercapto-propanol-3, 1-mercapto-2-hydroxypropanol-3 and 1-mercapto-butanol-4.

25. The improved method of claim 14 wherein said ester is mercaptoethyl stearate and said metal containing stabilizer is selected from the group consisting of calcium stearate, organic tin stabilizer, and antimony tri-mercaptide stabilizer.

Account

26. A method of improving the stabilization to heat and the viscosity characteristics of polyvinylchloride comprising incorporating therein (a) at least one conventional stabilizer selected from the group consisting of di-n.-octyltin-bis(isooctyl-mercapto-acetate), butyl stannic acid, butyl thiostannic acid, copolymer of butyl stannic acid and butyl thiostannic acid, di-n.butyltin-bis(isodecyl-mercapto-acetate), antimony-tris(isooctylthioacetate), zinc stearate and calcium stearate, and (b) a mercapto alkyl ester of the formula $RCOO-R'SH$ in which $RCOO-$ is the residue of a 14, 16 or 18 carbon atom fatty acid and R' is ethyl or glyceryl.

27. The method of claim 26 wherein the amount of said (a) stabilizer is 0.05-1% by weight of said polyvinylchloride and the amount of said mercaptoalkyl ester (b) is 0.5-2% by weight of said polyvinylchloride.